

10/540087

Rec'd PCT/PTO 20 JUN 2005

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IE 03/00172

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01S5/0687

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	XIAOHUI YANG ET AL: "Fast-tuning wavelength addressable laser with real-time wavelength monitoring feedback control for reconfigurable WDM networks" NANOSTRUCTURES AND QUANTUM DOTS/WDM COMPONENTS/VCSLS AND MICROCAVITIES/RF PHOTONICS FOR CATV AND HFC SYSTEMS, 1999 DIGEST OF THE LEOS SUMMER TOPICAL MEETINGS SAN DIEGO, CA, USA 26-30 JULY 1999, PISCATAWAY, NJ, USA, IEEE, US, 26 July 1999 (1999-07-26), pages II13-II14, XP010352566 ISBN: 0-7803-5633-0	1,2, 5-17,19, 20
A	the whole document --- -/--	3,4,18

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

24 March 2004

Date of mailing of the international search report

08/04/2004

Name and mailing address of the ISA

European Patent Office, P.O. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Laenen, R

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IE 03/00172

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 130 725 A (AGERE SYST OPTOELECTRONICS) 5 September 2001 (2001-09-05) paragraphs '0015!,'0017!-'0026!; figures 1-4	1,2, 9-13,17, 19
X	EP 0 529 732 A (PHILIPS NV) 3 March 1993 (1993-03-03) page 5, line 11 -page 7, line 3; figures 1,2,5,6	1,2, 9-13,17, 19
A	SOUSA DE A B ET AL: "Reduction of the tuning time of 1.5- μ m three-section DBR lasers by controlling the transient currents" LEOS 2000. 13TH. ANNUAL MEETING OF THE IEEE ELCTRO-OPTICS SOCIETY. RIO GRANDE, PR, NOV. 13-14, 2000, ANNUAL MEETING OF THE IEEE LASERS AND ELECTRO-OPTICS SOCIETY, NEW YORK, NY: IEEE, US, vol. 2 OF 2, 13 November 2000 (2000-11-13), pages 589-590, XP002233556 ISBN: 0-7803-5948-8 the whole document	1-4,17, 18
A	O'DOWD R ET AL: "FREQUENCY PLAN AND WAVELENGTH SWITCHING LIMITS FOR WIDELY TUNABLE SEMICONDUCTOR TRANSMITTERS" IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, IEEE SERVICE CENTER, US, vol. 7, no. 2, March 2001 (2001-03), pages 259-269, XP001108218 ISSN: 1077-260X the whole document	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IE 03/00172

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1130725	A	05-09-2001	US 6535532 B1	18-03-2003
			CA 2327981 A1	30-06-2001
			CN 1313660 A	19-09-2001
			EP 1130725 A2	05-09-2001
			JP 2001196688 A	19-07-2001
EP 0529732	A	03-03-1993	DE 69200654 D1	15-12-1994
			DE 69200654 T2	24-05-1995
			EP 0529732 A1	03-03-1993
			JP 5335674 A	17-12-1993
			US 5359613 A	25-10-1994



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.